

Abstract

An aqueous dispersion with a pH of from 2 to 7, comprising

- (A) at least one swellable polymer or oligomer containing anionic and/or potentially anionic functional groups,
- (B) surface-modified, cationically stabilized, inorganic nanoparticles of at least one kind,
- (C) at least one compound selected from the group consisting of amphiphiles and organic compounds which are capable of forming chelate ligands, and
- (D) at least one crosslinking agent;

method for its production and its use for producing highly scratch-resistant coatings, moldings, and self-supporting films.